

Figure 1

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10      20      30      40
1  MA--QQTTTLQEFNSVYPKLEEEALLDHARSYKLPQEQLDWY G.f.
1  MS--AVDKRAKFESALPVFVDEIVNYLKTINIPDDVTEWY S.p.
1  MA--KTTTTLKEFESVFPKLEEEALLEYAKAYKLPQEQMLSWY N.c.
1  MSDN-----RAQFLEVFVPSLVQELRDILAGYGMPEEEAIEWY K.l.
1  MASEKEIRRRERFLNVFPKLVEEELNASLLAYGMPKEACDWY S.c.
1  ----- S.p.
1  ----- S.m.

50      60      70      80
39 KRSLEVNPLGGKCNRGMSVPSVSLLE--KPLTEEEQY G.f.
39 KNSLFHNTLGGKYNRGLSVIDSYEILLG--HPLDEEAAY S.p.
39 KQSLEVNNTLGGKCNRGMSVPSASILLG--RPLTEEEY N.c.
37 EKSLNYNTPGGKLNRLSVVDTYALLKGYKSVSELSAEEY K.l.
41 AHSNLYNTPGGKLNRLSVVDTYAILSN-KTVEQLGQEEY S.c.
1  ----- C.p.
1  ----- S.m.

90      100     110     120
75 FQAATLGLWMTELLQAFFFLVSDDIMDSSI TRRGQPCWYRQE G.f.
75 MKA AVLGLWMVELLQSSFFLIADDIMDASK TRRGQPCWYLM P S.p.
75 FQAATLGLWMTELLQAFFFLVSDDIMDSSI TRRGQPCWYRQE N.c.
77 KKVAILGLWCIELLQAYFLVADDMMDQSI TRRGQPCWYKVE K.l.
80 EKVAAILGLWCIELLQAYFLVADDMMDKSI TRRGQPCWYKVP S.c.
28 FHAATLGLWMTELLQAFFELVSDDIMDGSIT RRRKPCWHHRQD C.p.
28 FKSATLGLWMTELLQAFFFLVSDDIMDSSK TRRGSPCWYLM P S.m.

130     140     150     160
115 GVGMI AINDAFMLESAIYTLLKKKYFRSH PAYFDLIESFHE G.f.
115 GVGNI AINDAFMVESAITYFLLLKKKHFRQES CYVDLIELEFHE S.p.
115 GVGMI AINDAFMLESAIYTRLKKKYFRSH PRYVDFLELEFHE N.c.
117 NVGDI AINDAFMLEGAIYCLLKKKHFRTEPY YVDLLELEFHE K.l.
120 EVGEI AINDAFMLEAIIYKLLKSHFRNEKYYIDITELFHE S.c.
68 GVGMI AINDAFLIESAIYALLKKKYFRSH PAYVDMLELEFHE C.p.
68 QVGMI AINDAFMLETTSIYLLLLKKKYFRQS KHYVDLIELEFHE S.m.

170     180     190     200
155 TTFQTELGQLCDLLTAPEDNVNLDNFSLEKYSFIV IYKTA G.f.
155 VTFQTELGQLDLTLTAPEDSVDL SKFSLQKHSFIV IYKTA S.p.
155 VTFQTEMGQLCDLLTEPEDKVDLDNFSMDKYTFIV IYKTA N.c.
157 VTFQTELGQLLDLITAPEDKVDL SKFSLKHSFIV IYKTA K.l.
160 VTFQTELGQLMDLITAPEDKVDL SKFSLKHSFIVTFKTA S.c.
108 ATFQAELGQLCDLITGPVDKVDLGNFSMDKYRFIV IYKTA C.s.
108 VSFQTEMGQLCDLLTAPEDKVDLDNFSLEKYSFIV IYKTA S.m.

210     220     230     240
195 YYSFYLPVALALHQLNLATP SNL KQAEDILIP LG EYFQIQ G.f.
195 YYSFYLPVALAMHLAGVATPENL KCAQDIL IILGKYFQVQ S.p.
195 YYSFYLPVALAMYMLD IATPENL KQAEDILIP LG EYFQVQ N.c.
197 YYSFYLAVALAMFAAGITDSKDLKQASDVLIP LG EYFQIQ K.l.
200 YYSFYLPVALAMYVAGITDEKDLKQARDVLIP LG EYFQIQ S.c.
148 YYSFYLPVALALHQLNLATP RN LKV AEDILIP LG EYFQVQ C.p.
148 YYSFYLPVALLLYCYCELA TEKNL KQAKDILIP MGEYFQVQ S.m.

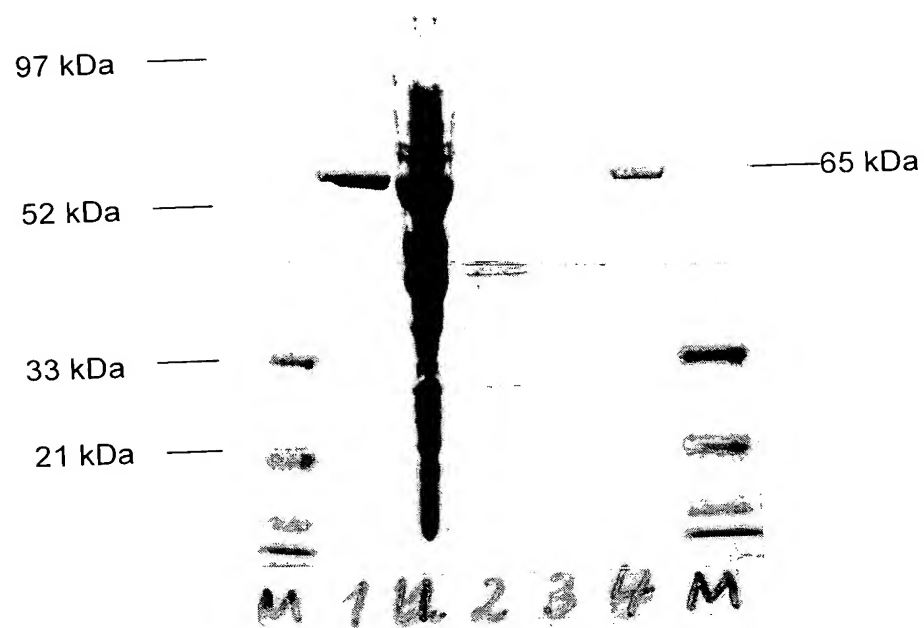
250     260     270     280
235 DDYLDNFGKPEHIGKIGTD IKDNKCSWL VNQAALAVATPEQ G.f.
235 DDYLD CYGDPVTGKIGTD ILDNKCSWI INLALAKCTPEQ S.p.
235 DDYLDNFGLP EHGKIGTD IQDNKCSWL VNKALSI VTP EQ N.c.
237 DDFLDCFGKPEDIGKIGTD IQDNKCSWVIN VALKNATKEQ K.l.
240 DDYLD CFGTPEQIGKIGTD IQDNKCSWVIN KALEELASAEQ S.c.
188 DDYLDNFGRP EHGKIGTD IQDNK C C.p.
188 DDYLDNYADPETLGKIGTD IQGNK C S.m.

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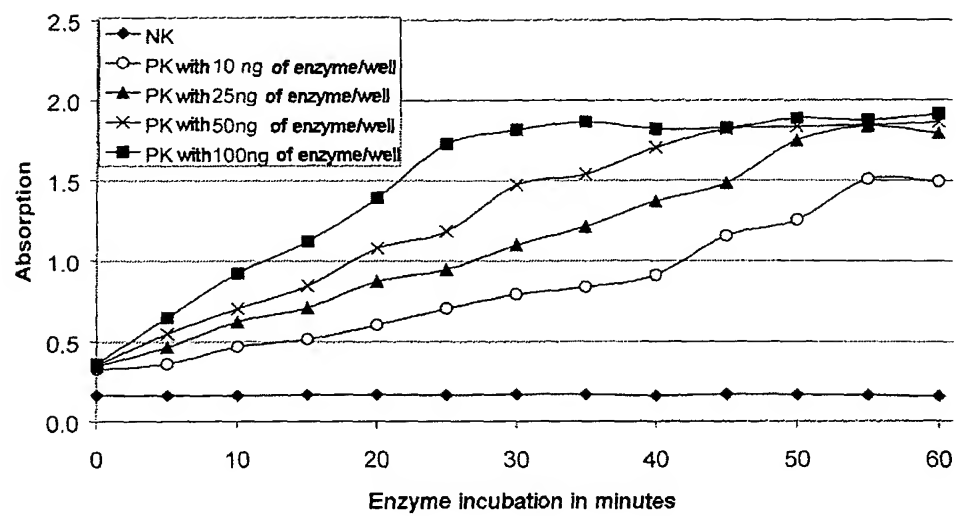
Figure 2A

	290		300		310		320
	275	R K I L E E N Y G R K D D E K E K V V K K L Y D D L N L E Q R Y L D Y E E K V V					
5		<i>G.f.</i>					
	275	R V I L D D N Y G R K D S E S E K R V K A V F E E L N I R G E F E N Y E E S E V					
		<i>S.p.</i>					
	275	R K T L E E N Y G R K D K A K E A V I K Q L Y D D L K L E D H Y K Q Y E E E R V					
		<i>N.c.</i>					
10	277	R D I L D E N Y G R K D S E K E Q K C R A V F N E L N I Q D I Y H K Y E E E T A					
		<i>K.l.</i>					
	280	R K T L D E N Y G K K D S V A E A K C K K I F N D L K I E Q L Y H E Y E E S I A					
		<i>S.c.</i>					
15	211	<i>C.p.</i>					
	212	<i>S.m.</i>					
			330		340		350
20	315	G Q I R E R I A N I D E N D G L K K T V F E A F L A K I Y K R S K					
		<i>G.f.</i>					
	315	S E I K K L I D G V D E S T G L K K S I F T T F L G K I Y K R N K					
		<i>S.p.</i>					
	315	G E I R K M N D A I D E S K G L K K Q V F E A F L G K I Y K R S K					
		<i>N.c.</i>					
25	317	S N L R E K I A N I D E S R G F K A E V L T L F L N K I Y H R K K					
		<i>K.l.</i>					
	320	K D L K A K I S Q V D E S R G F K A D V L T A F L N K V Y K R S K					
		<i>S.c.</i>					
30	211	<i>C.p.</i>					
	212	<i>S.m.</i>					

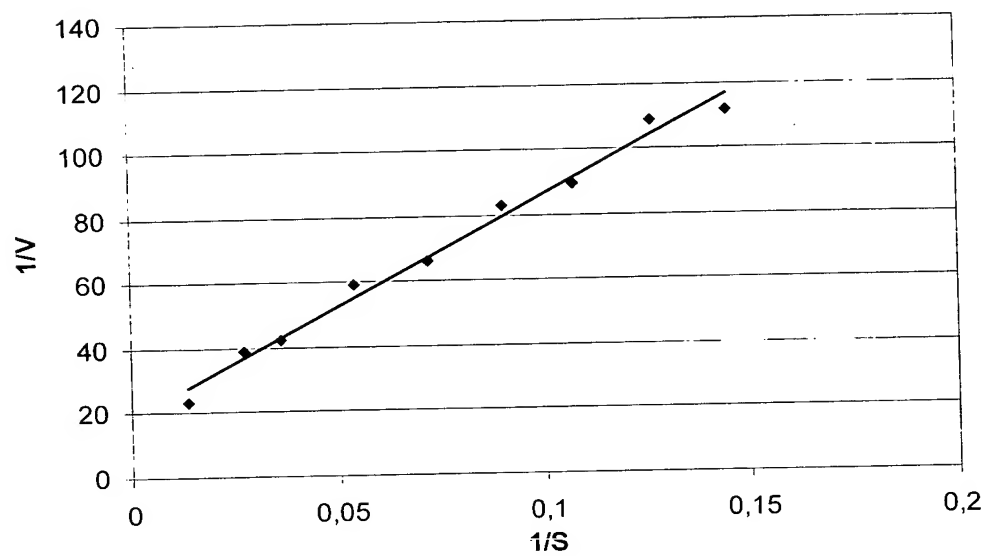
**Figure 2B**



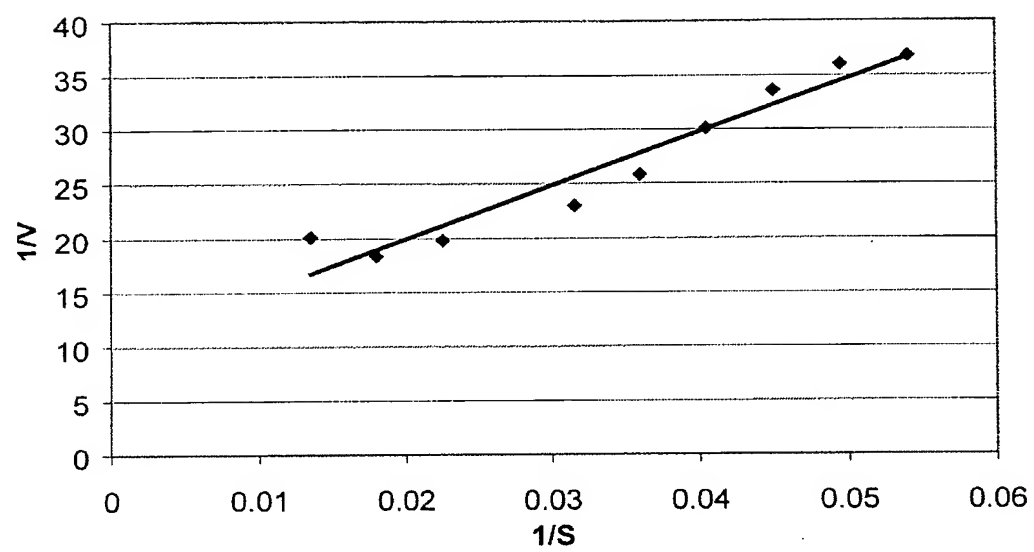
**Figure 3**



**Figure 4**



5 **Figure 5**



**Figure 6**